

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) An audio system for use with a personal computer, the audio system comprising:
 - a first voltage supply;
 - a first switch;
 - a second voltage supply;
 - ~~a second switch coupled to the second voltage supply and to a jack-sense indicator;~~
 - ~~an audio amplifier including an inverting amplifier and a non-inverting amplifier, each being coupled to an input signal;~~
 - ~~means for connecting a first speaker to the audio amplifier;~~
 - ~~a jack for coupling a second speaker to the audio amplifier;~~
 - ~~a jack-sense line including the jack-sense indicator coupled to the jack, the jack-sense line assuming a first condition when a speaker is connected to the jack and assuming a second condition when a speaker is not connected to the jack; and~~
 - ~~the second switch coupled to the first voltage supply, to the second voltage supply, and to the audio amplifier, whereby, when the jack-sense indicator determines that the second speaker is connected to the jack, the second switch is actuated to switch voltage from the first voltage supply to the second voltage supply.~~
 - ~~an output of the noninverting amplifier being coupled to a first speaker output connection;~~
 - ~~an output of the inverting amplifier being coupled through the first switch to a second speaker output connection;~~

a jack sense indicator coupled for driving the first switch and detecting connection of a listening device to a jack;

in response to the listening device being connected to the jack, the first switch being opened; and

the second switch coupled to be driven by the jack sense indicator and including the second voltage supply, a first contact of the second switch being coupled to the first voltage supply, and a second contact of the second switch being coupled to an output of a low current voltage regulator coupled to the first voltage supply.

2. (Cancelled).
3. (Cancelled).
4. (Cancelled).
5. (Cancelled).
6. (Cancelled).
7. (Cancelled).
8. (Cancelled).
9. (Cancelled).

10. (Currently Amended) An audio system as defined in Claim-9_1, wherein the first voltage supply is a ~~high current, regulated supply derived from an AC power line.~~
11. (Currently Amended) An audio system as defined in Claim-9_10, wherein the second ~~voltage supply is a low-current supply switch and the low current voltage regulator are coupled to the first voltage supply via a voltage supply node..~~
12. (Currently Amended) A personal computer system comprising an audio system, the audio system comprising:
 - a voltage supply subsystem having a first voltage supply and a second voltage supply;
 - an ~~audio amplifier subsystem having a first stage with a noninverting output amplifier and a second stage with an inverting output amplifier, each being coupled to an input signal;~~
 - ~~a first speaker coupled between the inverting output and the noninverting output;~~
 - ~~a jack coupled to an amplifier output for a second speaker;~~
 - ~~a first switch and a second switch; the second switch being coupled to the second voltage supply and to a jack sense indicator; and~~
 - ~~a jack sense line including the jack sense indicator coupled between the jack and the mode switch to cause the audio system to operate in a single ended mode when the second speaker is coupled to the jack and in a bridged mode when the second speaker is not coupled to the jack, whereby, when the jack sense indicator determines that the second speaker is connected to the jack, the second switch is actuated to switch voltage from the first voltage supply to the second voltage supply.~~

an output of the noninverting amplifier being coupled to a first speaker output connection;

an output of the inverting amplifier being coupled through the first switch to a second speaker output connection;

a jack sense indicator coupled for driving the first switch and detecting connection of a listening device to a jack;

in response to the listening device being connected to the jack, the first switch being opened; and

the second switch coupled to be driven by the jack sense indicator and including the second voltage supply, a first contact of the second switch being coupled to the first voltage supply, and a second contact of the second switch being coupled to an output of a low current voltage regulator coupled to the first voltage supply.

13. (Cancelled).
14. (Cancelled).
15. (Currently Amended) A personal computer system as defined in Claim 12, wherein the first voltage supply is a low current supply and the second voltage supply is a high current 3-supply derived from an AC power line.
16. (Currently Amended) An apparatus comprising:
~~a personal computer chassis having a connector for a primary speaker system and a jack for a secondary speaker system; coupled to an audio system including:~~
~~an audio amplifier system including an audio amplifier enclosed within the computer chassis;~~

~~a jack sense indicator coupled between the jack and the audio amplifier system, wherein the jack sense indicator is operable to provide a first indication when the secondary speaker system connected to the jack and a second indication when the secondary speaker system is not connected in the jack;~~

~~a dual mode voltage supply comprising a first voltage source and a second voltage source; and~~

~~a first switch and a second switch, the second switch coupled to the second voltage supply and to the jack sense indicator, whereby, when the jack sense indicator determines that the secondary speaker system is connected to the jack, the second switch is actuated to switch voltage from the first voltage supply to the second voltage supply.~~

a first voltage supply;

a first switch;

a second voltage supply;

a second switch;

an audio amplifier including an inverting amplifier and a non-inverting amplifier, each being coupled to an input signal;

an output of the noninverting amplifier being coupled to a first speaker output connection;

an output of the inverting amplifier being coupled through the first switch to a second speaker output connection;

a jack sense indicator coupled for driving the first switch and detecting connection of a listening device to a jack;

in response to the listening device being connected to the jack, the first switch being opened; and

the second switch coupled to be driven by the jack sense indicator and including the second voltage supply, a first contact of the second switch being

coupled to the first voltage supply, and a second contact of the second switch being coupled to an output of a low current voltage regulator coupled to the first voltage supply.

17. (Currently Amended) An apparatus as defined in Claim 16, wherein the audio amplifier includes an inverting stage having an inverting output and a noninverting stage having a noninverting output and wherein the connector is coupled between the inverting output and the noninverting output and the jack is connected between (i) either the inverting output amplifier or the noninverting output amplifier and (ii) GND.
18. (Cancelled).
19. (Currently Amended) An apparatus as defined in Claim 18 16, wherein the first voltage source is a high current voltage source and the second voltage source is a high current voltage source supply is derived from an AC power source.
20. (Currently Amended) An apparatus as defined in Claim 19, wherein second voltage source is a regulated voltage source and the first voltage source is an unregulated voltage source the second switch and the low current voltage regulator are coupled to the first voltage supply via a voltage supply node.
21. (Currently Amended) An apparatus as defined in Claim 20, wherein the second voltage source is derived from the first voltage source in response to the listening device being connected to the jack, the output of the regulator is coupled to the noninverting amplifier.

22. (Currently Amended) In a personal computer, a method of supplying power to an audio amplifier, the method comprising:

providing a voltage supply system that includes a first voltage source supply and a second voltage source supply;

providing a jack;

~~providing a first speaker and a second speaker;~~

providing a first switch and a second switch; and

~~providing a second switch coupled to the second voltage source and to a jack sense indicator, whereby when the jack sense indicator determines that the second speaker is connected to the jack, the second switch is actuated to switch voltage from the first voltage source to the second voltage source.~~

providing an audio amplifier including an inverting amplifier and a noninverting amplifier, each being coupled to an input signal;

coupling an output of the noninverting amplifier to a first speaker output connection;

coupling an output of the inverting amplifier through the first switch to a second speaker output connection;

coupling a jack sense indicator for driving the first switch and detecting connection of a listening device to a jack;

in response to the listening device being connected to the jack opening, the first switch; and

coupling the second switch to be driven by the jack sense indicator and including the second voltage supply, a first contact of the second switch being coupled to the first voltage supply, and a second contact of the second switch being coupled to an output of a low current voltage regulator coupled to the first voltage supply.

23. (Cancelled).

24. (Cancelled).

25. (Cancelled).

26. (Cancelled).

27. (Cancelled).

28. (Cancelled).

29. (Cancelled).

30. (Cancelled).

31. (Cancelled).

32. (Cancelled).

33. (Cancelled).

34. (Cancelled).

35. (Cancelled).

36. (Cancelled).

37. (Cancelled).

38. (Cancelled).

39. (Cancelled).